

What is claimed is:

1. A vital sign display device for displaying a vital sign, comprising:  
means for obtaining a biological signal;  
5 means for determining whether living body condition represented by  
the biological signal is abnormal or not, which is based on the obtained  
biological signal; and  
means for displaying a vital sign obtained from the biological signal,  
that allows to discriminate whether the condition is abnormal or not,  
10 which is based on the determination results from the determining  
means, wherein the vital sign is arranged in time series that allows to  
provide history of the vital sign.
2. A computer readable medium having stored thereon the computer  
15 program for a vital sign display device that displays a vital sign,  
wherein the program is implemented in a computer and capable of  
causing the computer to perform:  
means for obtaining a biological signal;  
means for determining whether living body condition represented by  
20 the biological signal is abnormal or not, which is based on the obtained  
biological signal; and  
means for displaying a vital sign obtained from the biological signal,  
that allows to discriminate whether the condition is abnormal or not,  
which is based on the determination results from the determining  
25 means, wherein the vital sign is arranged in time series that allows to  
provide history of the vital sign.
3. A vital sign display device for displaying a vital sign, comprising:  
means for displaying a vital sign, obtained from the biological signal  
30 or signal generated from the biological signal, that allows to  
discriminate whether living body condition represented by the signal is

abnormal or not, wherein the vital sign is arranged in time series that allows to provide history of the vital sign.

4. The device according to claims 1, 2 or 3, wherein the vital sign is displayed so as to follow a circular shape according to time series of the vital sign.
5. A vital sign display device for displaying a vital sign, comprising:
  - means for obtaining a biological signal;
  - 10 means for determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and
  - means for displaying a vital sign obtained from the biological signal, that allows to discriminate whether the condition is abnormal or not,
  - 15 which is based on the determination results from the determining means, wherein the display is executed by moving a display object in the direction to draw a circular shape according to time series of the vital sign.
- 20 6. The device according to one of claims 1-5, further comprising means for selecting display styles, wherein the display style selecting means determines entire display period corresponds to display area for the vital sign by correlating with measurement period of the vital sign.
- 25 7. The device according to one of claims 1-6, further comprising means for displaying item name of vital sign, wherein the vital sign item name displaying means displays the item name by relating the item name to the displayed vital sign.
- 30 8. The device according to one of claims 1-7, wherein the display style of vital sign is changed to another style when the abnormal condition

occurs.

9. The device according to one of claims 1-8, wherein the vital sign comprises at least an item of VPC (ventricular premature contraction),  
5 HR (heart rate), QT interval, or SpO<sub>2</sub> value (oxygen saturation in blood).

10 10. A vital sign display device for displaying a vital sign, a central processing unit (CPU) of the vital sign display device is to execute the procedures of:

obtaining a biological signal;

determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

15 11. instructing to display a vital sign obtained from the biological signal, that allows to discriminate whether the condition is abnormal or not, which is based on the determination results, wherein the vital sign is arranged in time series that allows to provide history of the vital sign.

20 12. A vital sign display device for displaying a vital sign, a central processing unit (CPU) of the vital sign display device is to execute the procedures of:

instructing to display a vital sign, obtained from a biological signal or a signal generated from the biological signal, that allows to  
25 discriminate whether living body condition represented by the signal is abnormal or not, wherein the vital sign is arranged in time series that allows to provide history of the vital sign.

30 13. A vital sign display device for displaying a vital sign, a central processing unit (CPU) of the vital sign display device is to execute the procedures of:

obtaining a biological signal;

determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

- 5     instructing to display a vital sign obtained from the biological signal, that allows to discriminate whether the condition is abnormal or not , which is based on the determination results, wherein the display is executed by moving a display object in the direction of following a circular shape according to time series of the vital sign.

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13. A vital sign displayed object representing a vital sign, wherein the vital sign displayed object represents a vital sign obtained from a biological signal, that allows to discriminate whether living body condition represented by the biological signal is abnormal or not, wherein the vital sign is arranged in time series that allows to provide history of the vital sign.

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14. A method for displaying a vital sign comprising the steps of:  
obtaining a biological signal;

- 20     determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained biological signal; and

displaying a vital sign obtained from the biological signal, that allows to discriminate whether the condition is abnormal or not, which is based on the determination results, wherein the vital sign is arranged in time series that allows to provide history of the vital sign.

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15. A method for displaying a vital sign comprising the steps of:  
obtaining a biological signal;

- 30     determining whether living body condition represented by the biological signal is abnormal or not, which is based on the obtained

biological signal; and

- displaying a vital sign obtained from the biological signal, that allows to discriminate whether the condition is abnormal or not, which is based on the determination results from the determining means,
- 5 wherein the display is executed by moving a display object in the direction of following a circular shape according to time series of the vital sign.